

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN03/00928

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ : C12N15/19,C07K14/52,A61K38/19,A61P35/00

According to International Patent Classification(IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched(classification system followed by classification symbols)

IPC⁷ : C12N15/19,C07K14/52,A61K38/19,A61P35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the field searched

Electronic data base consulted during the international search(name of data base and, where practicable, search terms used)

WPI,EPODOC,PAJ,CNPAT, GenBank+EMBL+DDBJ+PDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant claim No.
A	KR2002004495 A;SEOL D W,et al;C12N15/09;2002/01/16 See the abstract.	1-11
A	WO0179495 A1;UNIV IOWA RES FOUND;C12N15/12;2001/10/25 See the abstract.	1-11
A	US6284236 B1;IMMUNEX CORP;A61K38/19;2001/09/04 See the abstract.	1-11
A	KR2001019100 A;DONG WHA PHARM IND CO LTD;C12N15/12;2001/03/15 See the abstract.	1-11
A	WO9701633 A1; IMMUNEX CORP;C12N15/09;1997/01/16 See the abstract.	1-11



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason(as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search	Date of mailing of the international search report
22 December 2003 (22.12.03)	19 · FEB 2004 (19 · 02 · 2004)
Name and mailing address of the ISA/ The Chinese Patent Office 6, Xitucheng Road, Haidian District, Beijing, 100088, China	Authorized officer ZENG,Fanhui Telephone No. 62085296
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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report	Publication date	Patent family members	Publication date
KR2002004495 A	2002-01-16	US2002128438 A1	2002-09-12
WO0179495 A1	2001-10-25	AU200151544 A	2001-10-30
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WO9701633 A1	1997-01-16	AU6340796 A	1997-01-30
		EP0835305 A1	1998-04-15
		JP11508445T	1999-07-27
		MX203245 B	2001-07-25